


ALR/Lt-mt ^{NOD/ShiLtDvs} /MxLt
Stock No: **005333** | ALR.mt(NOD)
 Conplastic

Typically mice are recovered in 10-14 weeks. Contact Customer Service to place an order or for more information.

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reciprocal conplastic strains.

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GENETIC OVERVIEW

[Genetic Background](#) [Generation](#)

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BASE PRICE

Starting at:

\$2,854.50 Domestic price Cryo Recovery

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Details

Detailed Description

ALR mice are resistant to chemically induced and autoimmune type 1 diabetes and encode the mitochondrial *mt-Nd2^a* allele which is associated with resistance to type 1 diabetes. NOD mice are susceptible to type 1 diabetes and encode the *mt-Nd2^c* allele. Although basal mitochondrial respiration is unchanged, mitochondria from this conplastic produce more reactive oxygen species than either parent or the reciprocal conplastic.

Development

Selected References

Genetics

Currently there are no related genes or alleles for this strain.

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

C O N T A C T T E C H N I C A L S U P P O R T

Genotyping Protocols
Genotyping resources and troubleshooting

Appearance

albino

Related Genotype: *ala Tyr^c/Tyr^c*

Citation

When using the ALR.mt(NOD) mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #005333 in your Materials and Methods section.

Animal Health Reports

[Facility Barrier Level Descriptions](#)

Production of mice from cryopreserved embryos or sperm occurs in a maximum barrier room, [G200](#)

☰ Pricing & Availability



Cryo
Recovery

Typically mice are recovered in 10-14 weeks. Contact Customer Service to place an order or for more information.

Domestic | International

Pricing effective for USA, Canada and Mexico shipping destinations

CRYORECOVERY - DOMESTIC PRICING

SERVICE/PRODUCT	DESCRIPTION	PRICE
Cryo Recovery	Homozygous for mt<NOD/ShiLtDvs>, 1 pair minimum	\$2,854.50

RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo	ALR/Lt-mt<NOD/ShiLtDvs>/MxLt Frozen Embryos	\$2595.00
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THE JACKSON LABORATORY'S GENOTYPE PROMISE

The Jackson Laboratory has rigorous genetic quality control and mutant gene genotyping programs to ensure the genetic background of JAX® Mice strains as well as the genotypes of strains with identified molecular mutations. JAX® Mice strains are only made available to researchers after meeting our standards. However, the phenotype of each strain may not be fully characterized and/or captured in the strain data sheets. **Therefore, we cannot guarantee a strain's phenotype will meet**

all expectations. To ensure that JAX® Mice will meet the needs of individual research projects or when requesting a strain that is new to your research, we suggest ordering and performing tests on a small number of mice to determine suitability for your particular project. We do not guarantee [breeding performance](#) and therefore suggest that investigators order more than one breeding pair to avoid delays in their research.

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Q U E S T I O N S A B O U T T E R M S O F U S E

LICENSING INFORMATION

Phone: 207-288-6470

Email: TechTran@jax.org

Related Strains

All

By Allele

By Gene

By Collection






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